

CLAIMS

What is claimed is:

- 5 1. A method of preventing bubbles from being present between substrate parts of an optical data carrier, which substrate parts are connected together by means of an adhesive, said method comprising applying electric charges to at least one of the substrate parts or the adhesive.
- 10 2. The method according to claim 1, wherein before said step of applying, the adhesive has an electric charge with a first polarity, said step of applying electric charges is performed before or after the adhesive has been applied to the substrate parts, and the electric charges applied in said applying step have a polarity opposite to the first polarity .
- 15 3. The method according to claim 1, wherein before said step of applying, the adhesive has an electric charge with a first polarity, said step of applying electric charges is performed before or after the adhesive has been applied to the substrate parts, and the electric charges applied in said applying step have the first polarity.
- 20 4. The method according to claim 1, further comprising rendering the surface of at least one substrate part electrically neutral before or after the adhesive has been applied to the substrate parts.
- 25 5. The method according to claim 1, wherein the adhesive is positively or negatively electrically charged or uncharged.
- 30 6. The method according to claim 1, wherein said step of applying electric charges is performed by effecting electrostatic induction by means of an electric field.

7. The method according to claim 1, wherein said step of applying electric charges is performed by the charges are applied by means of spraying electrons onto the substrate part.

5 8. The method according to claim 7, wherein the spraying of electrons onto the substrate part is performed by means of corona discharge.

9. The method according to claim 1, wherein said step of applying electric charges is performed by effecting charge separation by means of
10 friction.

10. The method according to claim 1, wherein said step of applying electric charges is performed by a charging means.

15 11. The method according to claim 10, wherein the charging means are arranged at a distance d of 10 to 50 mm from a substrate part.

12. The method according to claim 11, wherein the distance d is 30 mm.
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13. The method according to claim 10, wherein the charging means and a substrate part are moved relative to each other during said step of applying electric charges.

25 14. The method according to claim 10, wherein a substrate part is rotated below the charging means and the charging means is stationary during said step of applying electric charges.

15. The method according to claim 10, wherein the charging means
30 is moved over a substrate part and the substrate part is stationary during said step of applying electric charges.

16. The method according to claim 1, wherein said step of applying electric charges is performed to charge a substrate part to achieve a homogeneous charge distribution.

5 17. The method according to claim 1, wherein said step of applying electric charges is performed to charge a surface of a substrate part to achieve a charge distribution depending on at least one of: the substrate material; the adhesive material; the temperature; and the atmospheric humidity.

10 18. The method according to claim 1, wherein one of the substrate parts is coated with an adhesive before the substrate parts are connected together and said step of applying electric charges is performed by applying electric charges to the other one of the substrate parts before the substrate parts are connected together.

15 19. The method according to claim 1, wherein said step of applying electric charges is performed by applying electric charges to both substrate parts before the substrate parts are brought into contact with the adhesive.

20 20. The method according to claim 1, wherein said step of applying electric charges is performed by applying electric charges to a surface of a substrate part which faces the adhesive.

25 21. The method according to claim 1, wherein said step of applying electric charges is performed by applying electric charges to a surface of a substrate part facing away from the adhesive.

30 22. The method according to claim 21, wherein the charges are applied before or after application of the adhesive to a substrate part.

23. The method according to claim 10, wherein said step of
applying electric charges is performed by applying electric charges to at least
one of the substrate parts, and said method further comprises rotating that
substrate part on a rotary table relative to the charging means during said step
5 of applying electric charges.

24. The method according to claim 5, wherein the adhesive is
dispensed onto one of the substrate parts by an outlet nozzle and the adhesive
is grounded or charged at the outlet nozzle.
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25. The method according to claim 1, wherein the substrate parts
are halves of a DVD.

26. Use of the method according to claim 1, wherein the optical
15 data carrier has more than two substrate parts which are connected together
with the adhesive.